

# Global Metal Duct Expansion Joints Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Metal Duct Expansion Joints market size is expected to reach \$ 2645 million by 2032, rising at a market growth of 2.3% CAGR during the forecast period (2026-2032).

In 2025, global Metal Duct Expansion Joints production reached approximately 5,400 k units?with an average global market price of around US\$ 410 per unit, and a gross profit margin of approximately 20%-40%. Metal Duct Expansion Joints are flexible connectors installed in ducting systems to absorb thermal expansion, vibration, and mechanical movement while maintaining airtight flow paths. Built with corrugated metal bellows or telescopic elements and end frames, they reduce stress on ducts, fans, dampers, and supports during temperature cycling and equipment operation. Compared with non-metal alternatives, they offer higher temperature capability, better durability, and improved resistance to abrasion and pressure pulses. They are used in industrial ventilation, power and process plants, dust collection, exhaust systems, and high-temperature air and gas conveying lines. The industrial chain of Metal Duct Expansion Joints includes upstream metal strip/plate materials, forming tooling, welding consumables, duct flanges and frames, liners, insulation parts, fasteners, sealing elements, and testing instruments. Midstream processes cover engineering design, bellows or telescopic forming, precision welding, assembly with frames and end connections, dimensional calibration, leakage testing, vibration and fatigue checks, and surface finishing. Downstream demand comes from industrial ventilation projects, power and process plant ductwork, dust-removal systems, and EPC contractors. Supporting services include site measurement, customization, installation guidance, inspection, maintenance, and replacement to ensure tightness and long service life.

The Metal Duct Expansion Joints market is supported by industrial ventilation upgrades

and the need to control thermal movement and vibration in ducting networks. Demand is driven by new installations and retrofit projects in power generation, process plants, dust collection, and high-temperature exhaust systems, where airtightness and reliability are critical. Buyers increasingly focus on leakage risk, fatigue life, and maintenance intervals, pushing suppliers to improve forming accuracy, weld quality, and testing rigor. At the same time, cost pressure encourages standardization of common sizes and frame interfaces, while harsh temperatures, abrasive dust, or large displacement requirements still rely on customized bellows geometry, liners, and insulation configurations. Service capability matters because correct site measurement and installation alignment strongly affect performance. Overall, steady growth is expected as plants invest in uptime, safety compliance, and energy-efficient ventilation and exhaust modernization.

This report studies the global Metal Duct Expansion Joints production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Metal Duct Expansion Joints and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Metal Duct Expansion Joints that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Metal Duct Expansion Joints total production and demand, 2021-2032, (K Units)

Global Metal Duct Expansion Joints total production value, 2021-2032, (USD Million)

Global Metal Duct Expansion Joints production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Metal Duct Expansion Joints consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Metal Duct Expansion Joints domestic production, consumption, key domestic manufacturers and share

Global Metal Duct Expansion Joints production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Metal Duct Expansion Joints production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Metal Duct Expansion Joints production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Metal Duct Expansion Joints market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Trelleborg, Witzenmann, Teadit Group, Hyspan Precision Products, UnisonHKR, BOA Group, EagleBurgmann, MACOGA, Belman, HKS, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Metal Duct Expansion Joints market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Metal Duct Expansion Joints Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Metal Duct Expansion Joints Market, Segmentation by Type:

Angular Expansion Joints

Lateral Expansion Joints

Axial Expansion Joints

Others

#### Global Metal Duct Expansion Joints Market, Segmentation by Number of Layer:

Single-layer Expansion Joints

Multi-layer Expansion Joints

#### Global Metal Duct Expansion Joints Market, Segmentation by End Connection:

With Weld-On Ends

With Fixed Flanges

#### Global Metal Duct Expansion Joints Market, Segmentation by Application:

Oil and Gas

Chemical Industry

HVAC

Others

Companies Profiled:

Trelleborg

Witzenmann

Teadit Group

Hyspan Precision Products

UnisonHKR

BOA Group

EagleBurgmann

MACOGA

Belman

HKS

Metraflex

U.S. Bellows

Spiroflex

Microflex

Flexicraft Industries

Penflex

Tecofi

Triad Bellows

Badger Industries

Karasus

Safetech

Ayvaz

TOZEN Group

**Key Questions Answered:**

1. How big is the global Metal Duct Expansion Joints market?
2. What is the demand of the global Metal Duct Expansion Joints market?
3. What is the year over year growth of the global Metal Duct Expansion Joints market?
4. What is the production and production value of the global Metal Duct Expansion Joints market?
5. Who are the key producers in the global Metal Duct Expansion Joints market?
6. What are the growth factors driving the market demand?

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